

## Refine Search

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355/70	990

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:






### Search History

DATE: Wednesday, June 23, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L59</u>	355/70	990	<u>L59</u>
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<u>L56</u>	345/604	273	<u>L56</u>
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<u>L49</u>	345.clas.	68249	<u>L49</u>
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<u>L40</u>	707/530	1184	<u>L40</u>
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<u>L37</u>	707/10	8594	<u>L37</u>
<u>L36</u>	707/3	6574	<u>L36</u>

*DB=USPT; PLUR=YES; OP=OR*

<u>L35</u>	4672186.pn.	1	<u>L35</u>
<u>L34</u>	4672186.pn.	1	<u>L34</u>
<u>L33</u>	4727589.pn.	1	<u>L33</u>
<u>L32</u>	4553261.pn.	1	<u>L32</u>
<u>L31</u>	4760606.pn.	1	<u>L31</u>
<u>L30</u>	5223701.pn.	1	<u>L30</u>
<u>L29</u>	5477353.pn.	1	<u>L29</u>
<u>L28</u>	5495533.pn.	1	<u>L28</u>

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L27</u>	L25 and copie\$	18	<u>L27</u>
<u>L26</u>	L25 and host	10	<u>L26</u>
<u>L25</u>	L24 and high and low near resolution	39	<u>L25</u>
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<u>L23</u>	L22 and stor\$ near facility	268	<u>L23</u>
<u>L22</u>	digital near image	57945	<u>L22</u>

*DB=USPT; PLUR=YES; OP=OR*

<u>L21</u>	5600574.pn.	1	<u>L21</u>
<u>L20</u>	5600574.pn.	1	<u>L20</u>
<u>L19</u>	5764972.pn.	1	<u>L19</u>
<u>L18</u>	5642513.pn.	1	<u>L18</u>
<u>L17</u>	5764972.pn.	1	<u>L17</u>
<u>L16</u>	5842222.pn.	1	<u>L16</u>
<u>L15</u>	6023710.pn.	1	<u>L15</u>
<u>L14</u>	4833625.pn.	1	<u>L14</u>
<u>L13</u>	5027110.pn.	1	<u>L13</u>
<u>L12</u>	5027110.pn.	1	<u>L12</u>
<u>L11</u>	5374965.pn.	1	<u>L11</u>
<u>L10</u>	5437024.pn.	1	<u>L10</u>
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<u>L8</u>	5502576.pn.	1	<u>L8</u>

<u>L7</u>	5513101.pn.	1	<u>L7</u>
<u>L6</u>	5842222.pn.	1	<u>L6</u>
<u>L5</u>	5642513.pn.	1	<u>L5</u>
<u>L4</u>	5600574.pn.	1	<u>L4</u>
<u>L3</u>	5600574.pn.	1	<u>L3</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
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L3: Entry 1 of 1

File: USPT

Feb 4, 1997

US-PAT-NO: 5600574

DOCUMENT-IDENTIFIER: US 5600574 A

TITLE: Automated image quality control

DATE-ISSUED: February 4, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reitan; Ronald C.	Stillwater	MN		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Minnesota Mining and Manufacturing Company	St. Paul	MN			02	

APPL-NO: 08/ 242275   [\[PALM\]](#)

DATE FILED: May 13, 1994

INT-CL: [06] G06 F 11/00

US-CL-ISSUED: 364/552; 364/550, 364/525

US-CL-CURRENT: 702/185

FIELD-OF-SEARCH: 364/552, 364/550, 364/413.13, 364/413.14, 364/413.19, 364/525, 382/100, 382/128, 382/131, 382/132, 382/141, 382/149, 382/190, 382/224, 358/406, 358/405, 358/462, 358/504

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

**Search Selected****Search ALL****Clear**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>H999</u>	December 1991	Merke	364/552
<input type="checkbox"/>	<u>4939581</u>	July 1990	Shalit	358/350
<input type="checkbox"/>	<u>5077768</u>	December 1991	Shigyo	378/98
<input type="checkbox"/>	<u>5115229</u>	May 1992	Shalit	345/1
<input type="checkbox"/>	<u>5153926</u>	October 1992	Jansson	382/128
<input type="checkbox"/>	<u>5172419</u>	December 1992	Manian	382/132

<input type="checkbox"/>	<u>5194966</u>	March 1993	Quardt et al.	358/406
<input type="checkbox"/>	<u>5220617</u>	June 1993	Bird et al.	382/149
<input type="checkbox"/>	<u>5319550</u>	June 1994	Griffith	364/413.19
<input type="checkbox"/>	<u>5331550</u>	July 1994	Stafford et al.	364/413.13
<input type="checkbox"/>	<u>5361307</u>	November 1994	Hartley et al.	382/141
<input type="checkbox"/>	<u>5436979</u>	July 1995	Gray et al.	382/141
<input type="checkbox"/>	<u>5440648</u>	August 1995	Roberts et al.	382/141
<input type="checkbox"/>	<u>5444480</u>	August 1995	Sumita	382/141

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
518525A2	December 1992	EP	
542012A1	May 1993	EP	

## OTHER PUBLICATIONS

Medical Imaging 1993: Image Capture, Formatting, and Display, vol. 1897, dated Feb., 1993, (25 pages).  
Article entitled: Quality Monitoring of Soft-Copy Displays for Medical Radiography, Journal of Digital Imaging, vol. 5, No. 3, (Aug.), 1992; pp. 161-167.  
Article entitled: Objective Analysis of Ultrasound Images by use of a Computational Observer, IEEE Transactions on Medical Imaging, vol. 11, No. 4, Dec. 1992. (Lopez et al.).

ART-UNIT: 244

PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Wachsmann; Hal D.

ATTY-AGENT-FIRM: Schwegman, Lundberg, Woessner &amp; Kluth, P.A.

## ABSTRACT:

A system, apparatus and method for testing the functional components of an electronic digital imaging system is described. The system includes apparatus for image acquisition, storage, display, communication and printing. The system relies on a closed loop analysis to test system components by measuring a set of statistical image quality metrics. The expected set of statistics are in the form of special purpose features stored as a data set representative of an expected reference object. The closed loop analysis measures, for example, the quality of the printing component of the system by outputting a copy of the expected reference image, using the acquisition component to input the copy of the expected reference image, and then comparing the statistics against threshold values representative of an ideally operating component. The comparison of statistics against the threshold values provides a go/no-go measure of component performance and can indicate sources of system degradation.

19 Claims, 33 Drawing figures

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L25: Entry 37 of 39

File: USPT

Oct 15, 1991

US-PAT-NO: 5058185

DOCUMENT-IDENTIFIER: US 5058185 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Object management and delivery system having multiple object-resolution capability

DATE-ISSUED: October 15, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morris; Hugh M.	Gaithersburg	MD		
Parks; Carol A.	Monrovia	MD		
Rajagopal; Doraiswamy	Rockville	MD		
Youngs; Gary L.	Gaithersburg	MD		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY				02

APPL-NO: 07/ 211722   [PALM]

DATE FILED: June 27, 1988

INT-CL: [05] G06K 9/36

US-CL-ISSUED: 382/41; 382/57, 382/61, 364/518, 364/521

US-CL-CURRENT: 382/305; 345/751, 382/299

FIELD-OF-SEARCH: 364/518, 364/521, 382/1.41, 382/57, 382/61, 382/91

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4139901</u>	February 1979	Ganske et al.	364/900
<input type="checkbox"/>	<u>4164024</u>	August 1979	Gilbert	364/900
<input type="checkbox"/>	<u>4174890</u>	November 1979	Johnson et al.	364/200
<input type="checkbox"/>	<u>4197590</u>	April 1980	Sukonick et al.	364/900

<input type="checkbox"/>	<u>4205387</u>	May 1980	Ovshinsky et al.	364/900
<input type="checkbox"/>	<u>4485454</u>	November 1984	Kimoto	364/900
<input type="checkbox"/>	<u>4553206</u>	November 1985	Smutek et al.	364/300
<input type="checkbox"/>	<u>4553261</u>	November 1985	Froessler	382/57
<input type="checkbox"/>	<u>4574395</u>	March 1986	Kato	382/61
<input type="checkbox"/>	<u>4601003</u>	July 1986	Yoneyama et al.	364/518
<input type="checkbox"/>	<u>4635136</u>	January 1987	Ciampa et al.	364/900
<input type="checkbox"/>	<u>4672186</u>	June 1987	Van Tyne	382/50
<input type="checkbox"/>	<u>4727589</u>	February 1988	Hirose et al.	382/56
<input type="checkbox"/>	<u>4760606</u>	July 1988	Leswick et al.	382/61

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO87/04826	August 1987	WO	
WO87/05767	September 1987	WO	
WO87/05768	September 1987	WO	

ART-UNIT: 266

PRIMARY-EXAMINER: Moore; David K.

ASSISTANT-EXAMINER: Couso; Jose L.

ATTY-AGENT-FIRM: Skwierawski; Paul J. LaBaw; Jeffrey S. Hoel; John E.

## ABSTRACT:

A method and apparatus which allows an object management and delivery system to perform capture, prefetch, display, print and/or modify operations with only a modicum of interaction between the operations of a host computer system and the object management and delivery system. Host computer/object-management system interaction is typically limited to: operation requests transferred from the host computer to the object management system; record registration data transferred from the object management system to notify the host computer that an object record has been stored; and/or error data transferred from the object management system to notify the host computer when the object management system encounters an error in trying to perform an operation requested by the host computer.

24 Claims, 27 Drawing figures